

Fig. 1 - N wavelength, bi-directional port switch with M connections

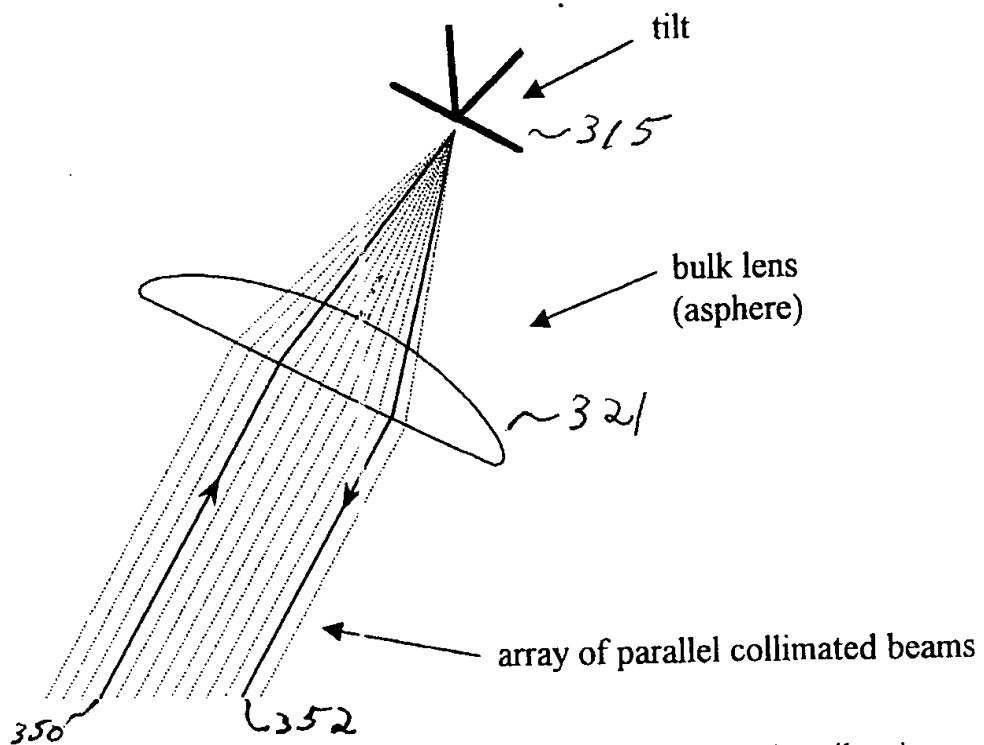


Fig. 2 - Reflected translation of a collimated beam with a tilt mirror

095918Z SEP 00

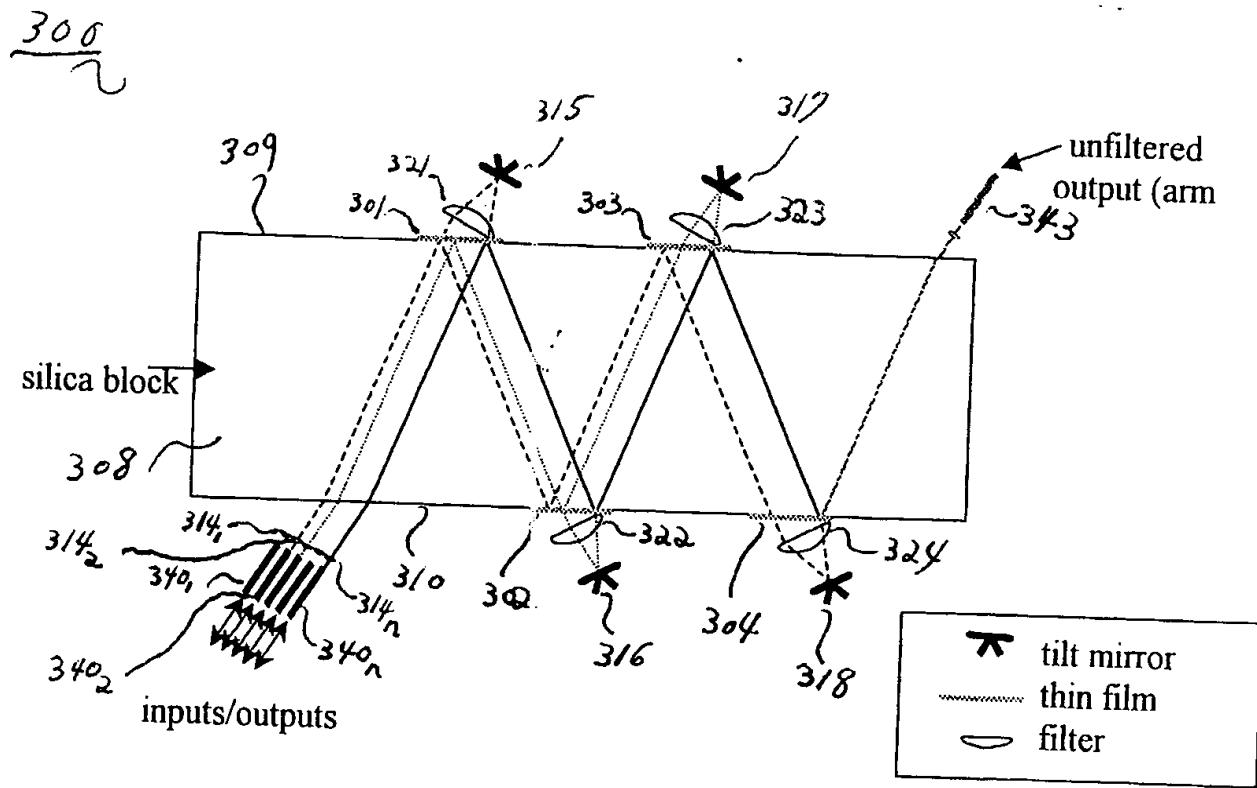


Fig. 3 - Bidirectional inputs/outputs with independent wavelength distribution

65
7

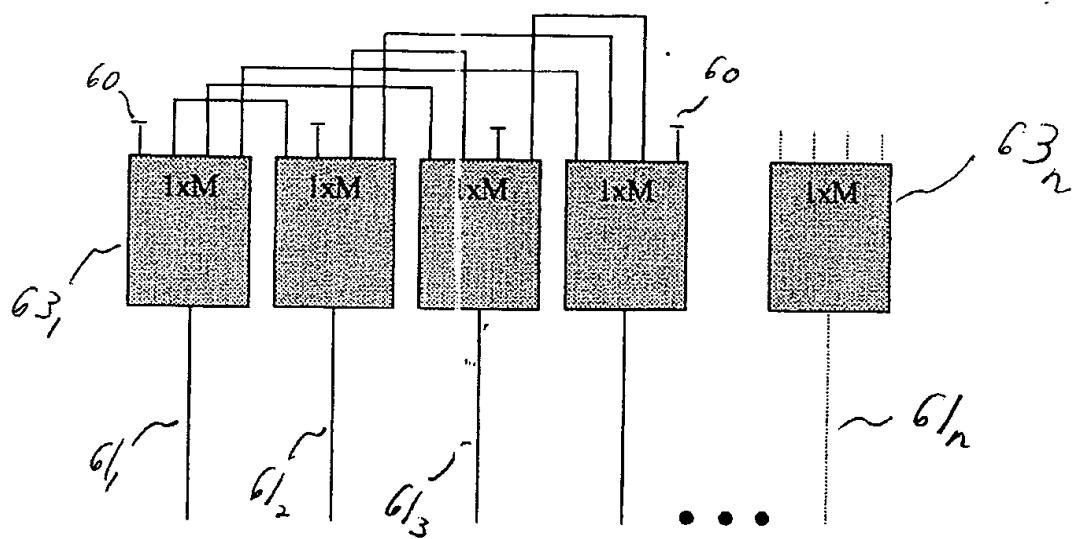


Fig. 4 – Switching fabric used in FIG. 1 to achieve desired functionality with conventional switches.

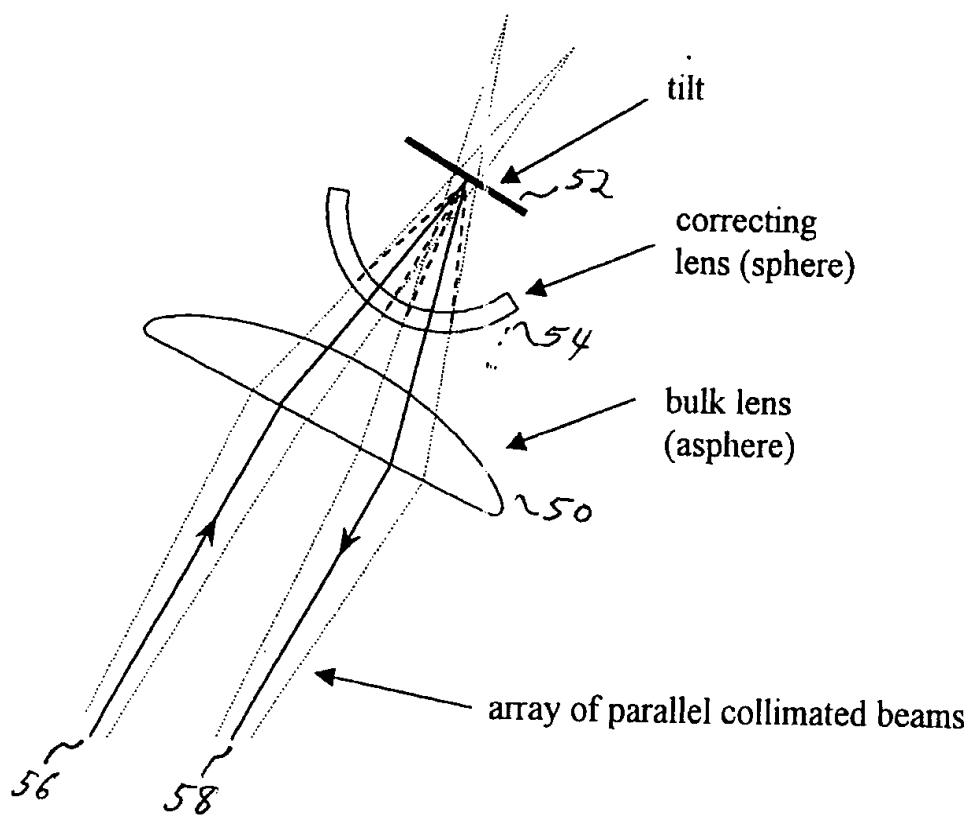


Fig. 5 - Corrected beam waist with a tilt

0961312 401900

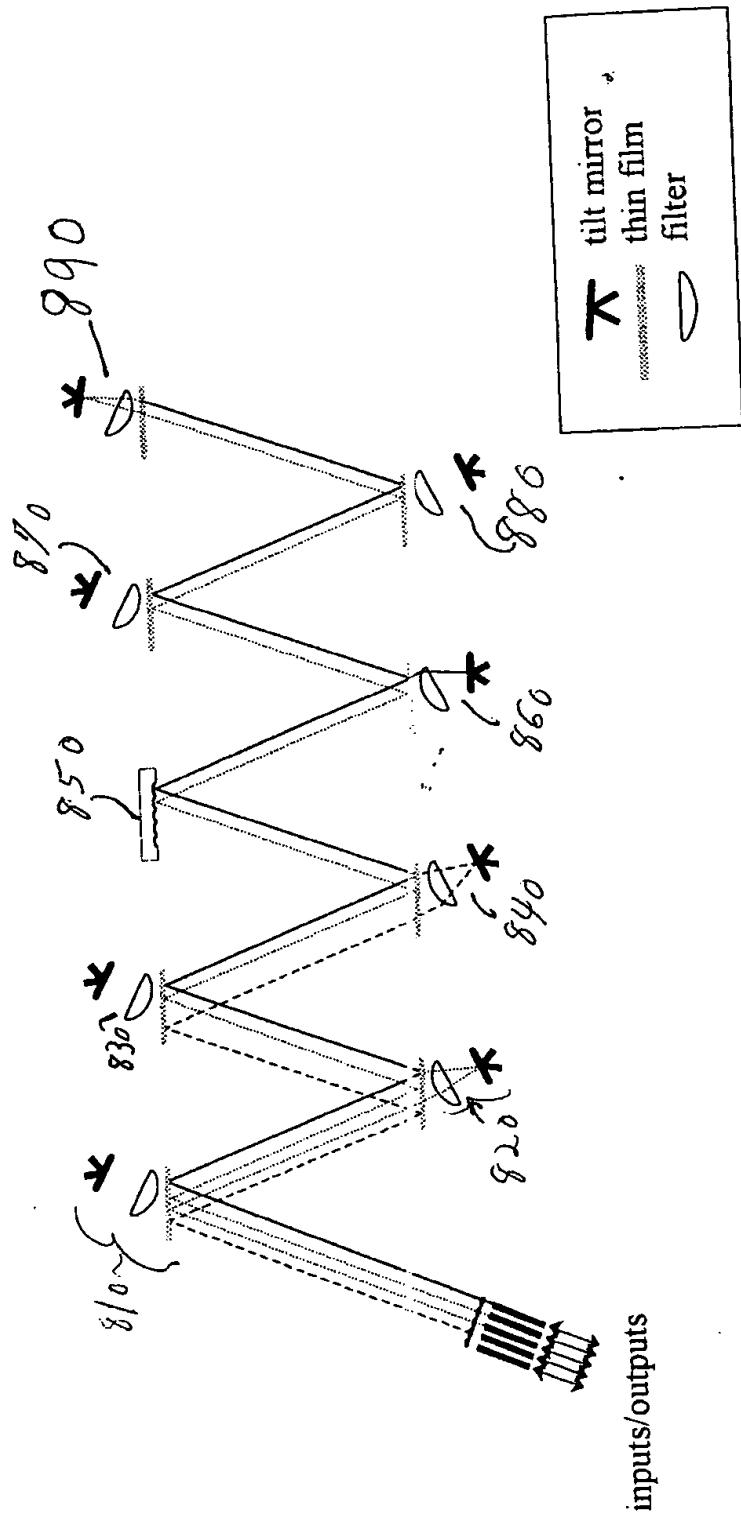


Fig. 6 - Extended wavelength fabric with beam recollimation

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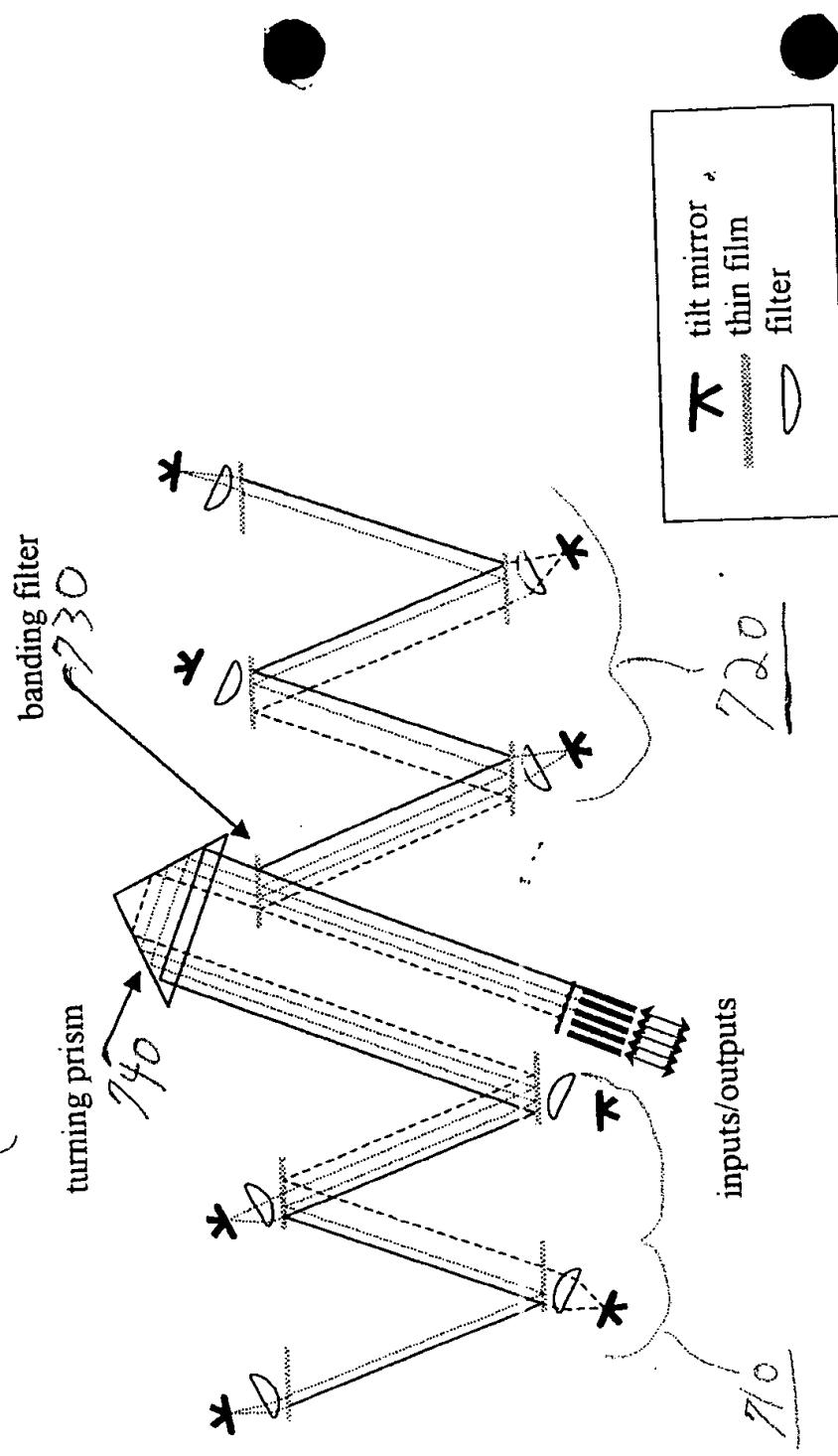


Fig. 7 - Extended wavelength fabric with banded structure

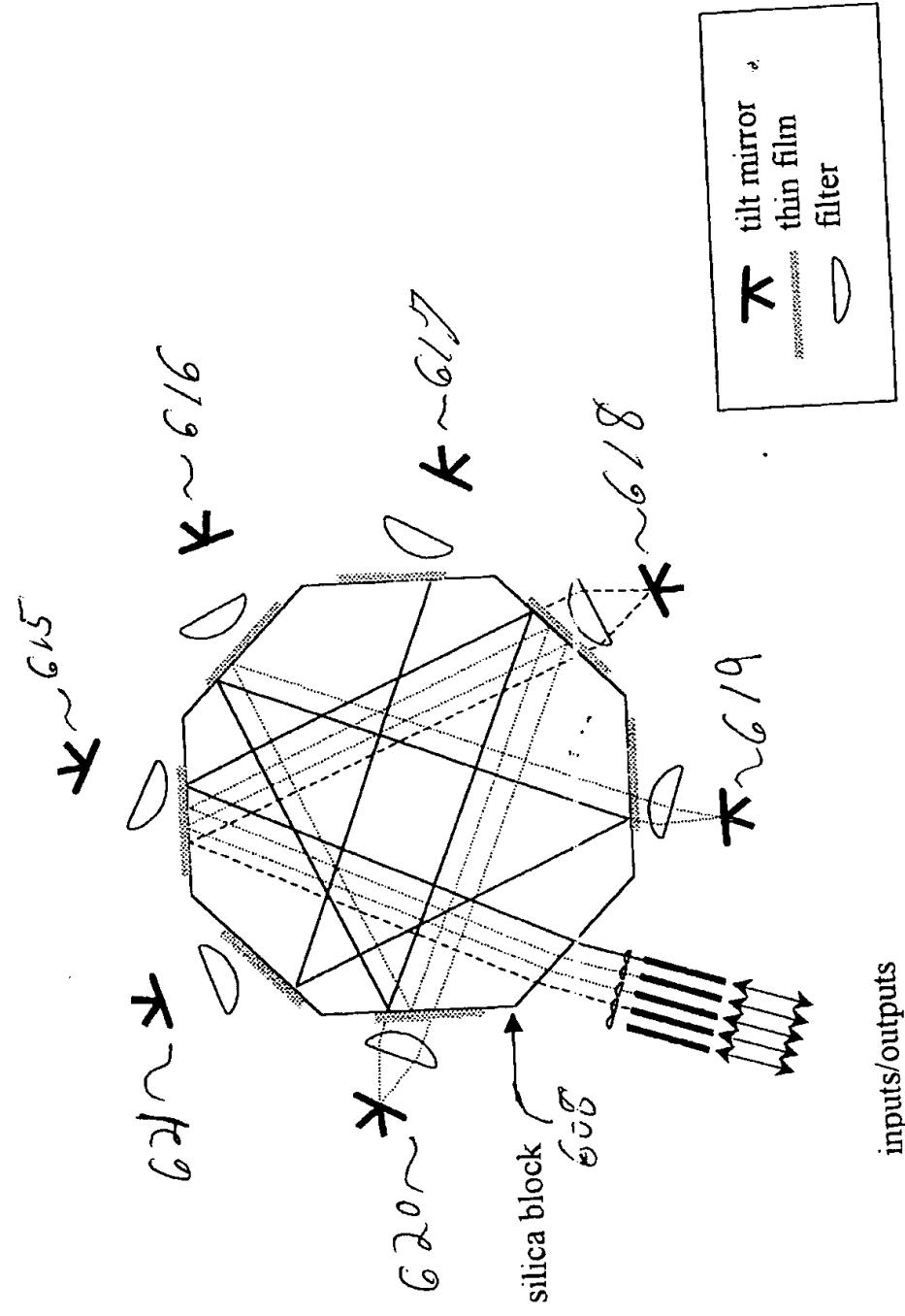


Fig. 8 - Bidirectional inputs/outputs with independent wavelength distribution in circular geometry